



Cotton/Soybean Insect Newsletter

Volume 6, Issue #1

Edisto Research & Education Center in Blackville, SC

26 April 2011

Newsletter Update

This is an early issue of the newsletter because of an opportunity to comment on the registration application of aldicarb (currently known and labeled as Temik) by a company. See **'Open for Comment'** below – you must post comments by Friday (29 April). The newsletter will typically be sent on Thursday each week.

Cotton/Soybean Insect Scouting Schools

We are currently measuring the need for insect scouting schools for cotton and soybeans. Several agents and I think that there is sufficient interest to proceed with planning at least one school. We will have information regarding this and other training opportunities very soon.

Pest Alert!!!

See the section below under soybean called **'Pest Alert: Kudzu Bug/Bean Plataspid'** for updated information about an invasive species spreading in our state and the Southeast. If you have not seen this new insect near a kudzu patch or in a soybean field in your area, chances are you will soon.

Pest Patrol Hotline

There will be a toll-free hotline for quick updates on insect problems again this season. I will update the short message weekly for at least as long as the newsletter runs. Simply call the free number (**provided soon**) and select the messages you would like to hear. The hotline is sponsored by Syngenta Crop Science.

News from Above and Below the Lakes

These sections will allow you to report your comments and observations about what is happening with insects in cotton or soybeans in your area. You can remain anonymous or receive credit for your information – your choice.

Cotton Situation

As of 25 April 2011, the USDA NASS South Carolina Statistical Office had our progress at about 9% of the crop being planted, a little ahead of 4% for last year and 5% for the 5-yr average. Conditions were described as warmer than average, with a mix of too much and too little rainfall. The overall moisture levels in the state were described as 1% very short, 17% short, 78% adequate, and 4% surplus. These are observed/perceived state-wide averages.

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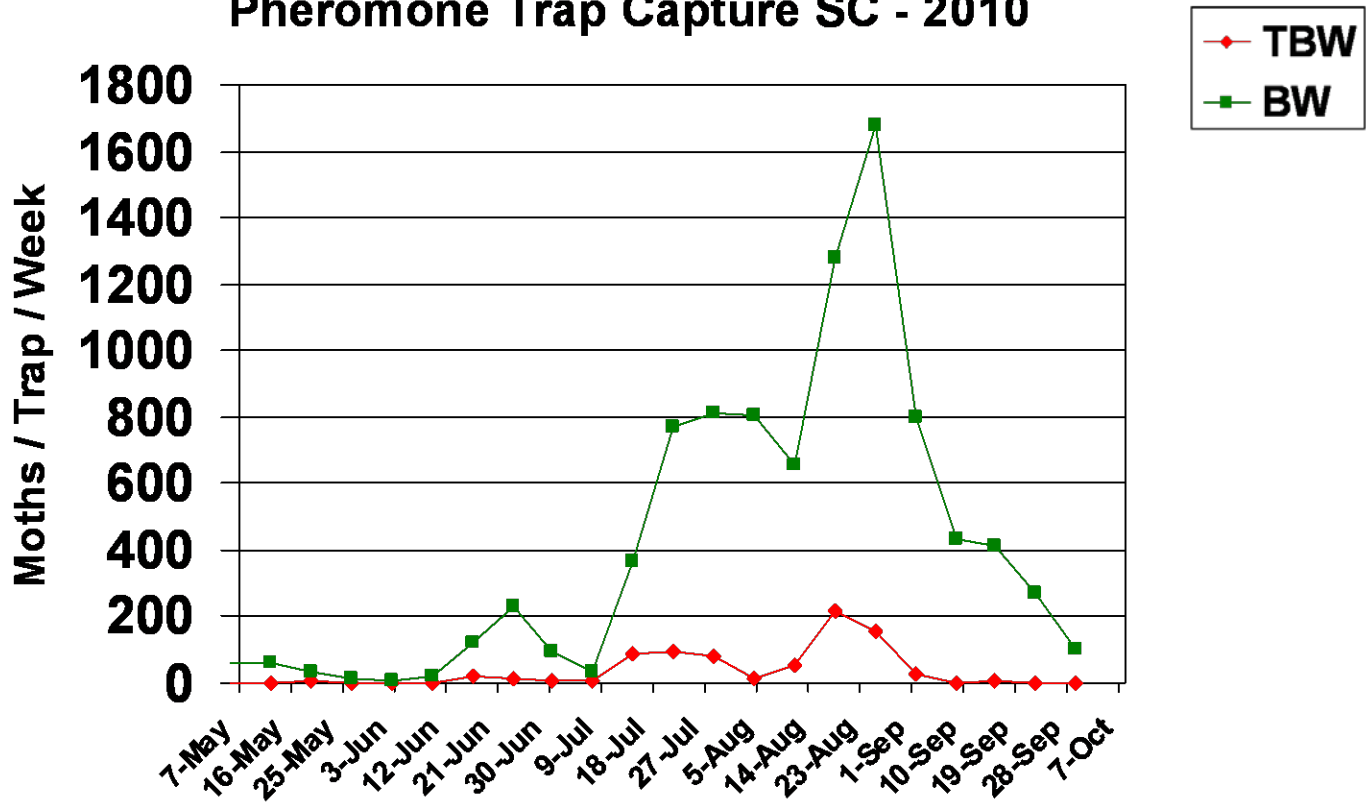


Bollworm & Tobacco Budworm



Captures of bollworm (BW) and tobacco budworm (TBW) moths in pheromone traps at EREC last season are shown below. We caught more bollworm and tobacco budworm moths last year than in any previous year that I have been here (this will be my 6th consecutive season in SC). I had to change the scale on the charts last year from previous years. Tobacco budworm continues to be important for our soybean acres and for a limited number of non-Bt-cotton acres. I provide these data as a measure of moth presence and activity in our local area where I use these data as an indication of moth presence and activity near my research plots. The numbers are not representative of the species throughout the state.

Pheromone Trap Capture SC - 2010



Temik Use Terminated in 2018 (if you can find/buy it until then)

“Anyone know where I can buy some Temik?” Heard that lately? As you know, Bayer and the EPA decided to cancel many uses of the product, and “the end” came much sooner than we expected. Below is what I was provided last year concerning remaining use of Temik in cotton and soybeans. There are new maximum use rates in cotton. The maximum use rate at planting is 7 lb/acre (previously 10 lb/acre), and the maximum side-

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dress rate is 5 lb/acre (previously 14 lb/acre). The seasonal maximum use rate in cotton is now 12 lb/acre (previously 24 lb/acre). The immediate new maximum use rate in soybeans is 7 lb/acre at planting and for the entire season (both previously 10 lb/acre). South Carolina is one of several states described as having “sensitive” soils, where vulnerable ground water conditions exist – I assume this means sandy soils. Where this condition exists, a drinking water well application set-back of 700 feet is required for at-plant or side-dress applications of Temik to cotton. If both at-plant and side-dress applications will be made to a cotton field, they must not be closer than 1,000 feet from a drinking water well. The 700-ft set-back is also required for at-plant applications of Temik to soybeans where vulnerable ground water conditions exist.

Important Dates for Phase-out of Temik

- 31 December 2016 – the last date of sales by distributors to end users
- 31 August 2018 – the last date of use by an end user

Open for Comment

In a nutshell, you have until this Friday to submit a comment about the pending registration of aldicarb (same active ingredient in Temik) by a registrant.

EPA Seeking Comment on Aldicarb Registration by April 29th: EPA has received an application to register a pesticide product containing the active ingredient aldicarb. Pursuant to the provisions of section 3 (c) (4) of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), EPA has provided notice of receipt and opportunity to comment on this application in the Federal Register Volume 76, Number 61 (Pages 17645-17646). Comments on this aldicarb registration should be directed to docket ID number EPA-HQ-OPP-2010-1021 and must be received by EPA on or before April 29, 2011.

1. To submit comments online go to: <http://www.regulations.gov>
2. Enter “EPA-HQ-OPP-2010-1021-0001” in the *Enter Keyword or ID* box and then click “Search”
3. On the Registration Applications: Pesticide Products line click “Submit a Comment”
4. Type comments and click “Submit”

Thanks to my colleague in GA (Dr. Phillip Roberts) for providing this information.

Cotton Insect Control Guide

Clemson University Publication IC97 (Cotton Insect Management) has been revised for 2011 and is available free from your local county office. It is also available online at:

<http://www.clemson.edu/psapublishing/pages/ENTOM/IC97.PDF>

Soybean Situation

As of 25 April 2011, the USDA NASS South Carolina Statistical Office had our progress at about 2% of soybeans as planted, equal to the 5-yr average but ahead of last year. These are observed/perceived state-wide averages.

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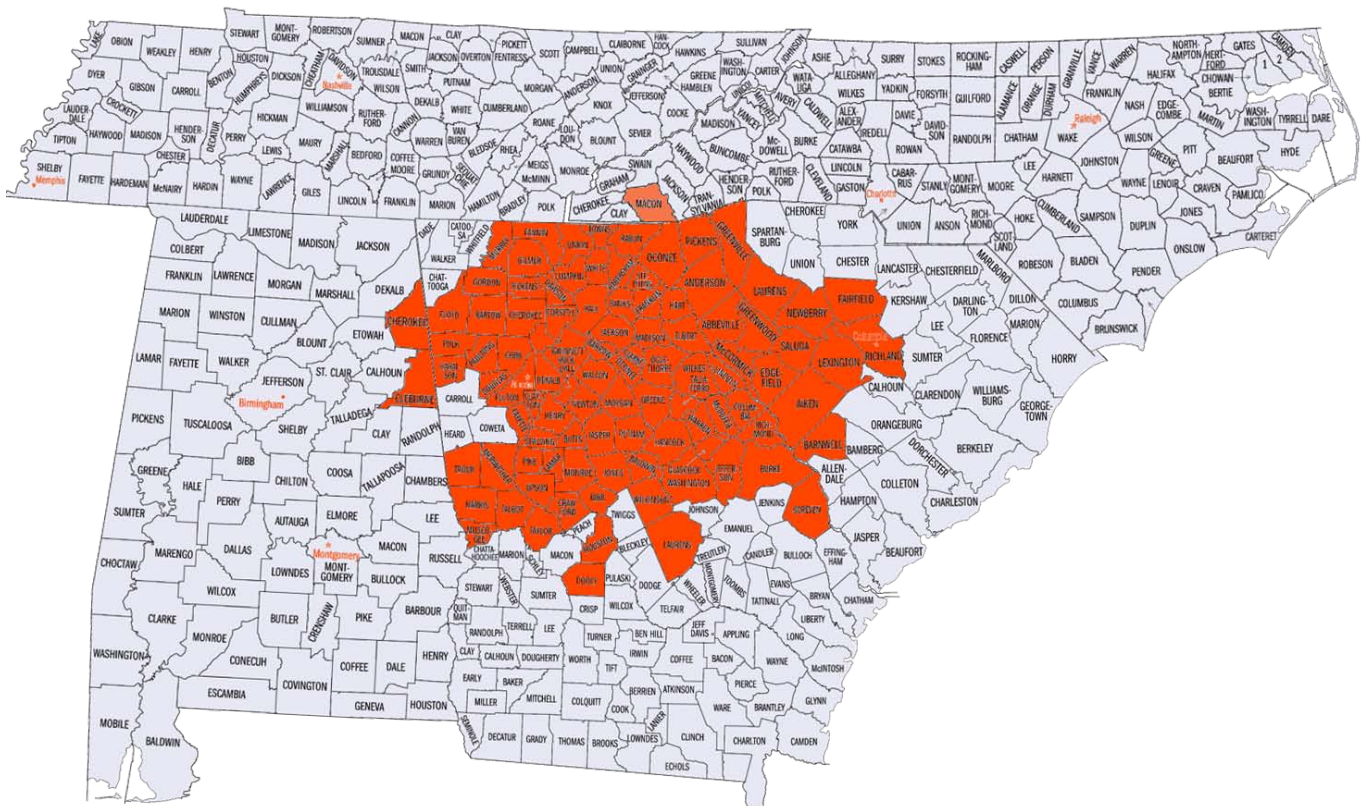
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Pest Alert: Kudzu Bug/Bean Plataspid!

The bean plataspid/kudzu bug, *Megacopta cribraria*, continued to spread in GA, SC, NC, and AL last year. We have it confirmed in the following counties (16) in SC: Anderson, Oconee, Abbeville, Barnwell, Aiken, Edgefield, McCormick, Greenwood, Laurens, Saluda, Newberry, Lexington, Greenville, Pickens, Fairfield, and Richland Counties. ***It has been found on kudzu and/or soybeans in these counties, but it will feed on legumes in general, so it could be on other hosts, and it might be present but yet to be detected in other counties.*** The best place to look for these pests is in/around kudzu. If you want to help document new county finds of this pest, digital pictures or specimens preserved in alcohol are important documentation to get from infested areas.

Please email/send that information to me only if the infestation is in SC and is a new county observation.



Distribution of kudzu bug/bean plataspid in GA, SC, NC, and AL as of 2 November 2011

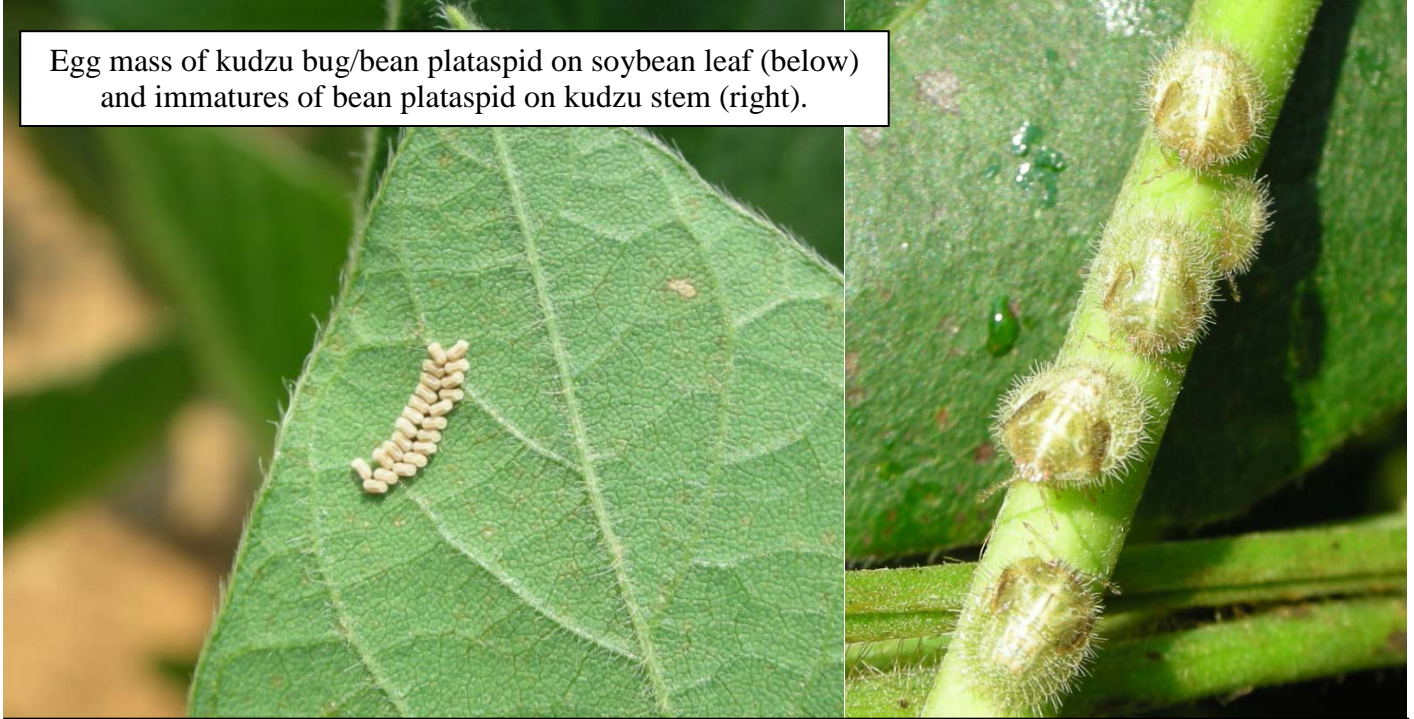
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Egg mass of kudzu bug/bean plataspid on soybean leaf (below) and immatures of bean plataspid on kudzu stem (right).



Kudzu bugs/bean plataspids and US dime on soybean leaf (below left) and close-up of kudzu bug/bean plataspid adult (below right) found on soybean in Barnwell County, SC (2010).



Here are the same pictures as in previous newsletters, but these photos should help those who have not identified the kudzu bug/bean plataspid. We will be conducting research to explore the potential economic impact of this invasive species – we learn more every day. Updates will be provided weekly in the newsletter.

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Soybean Insect Control Guide

Clemson University Publication SL1 (Soybean Insect Management) has been revised for 2011 and is available free from your local county office. It is also available online at:

<http://www.clemson.edu/psapublishing/pages/AGRO/SL1.PDF>

Pest Management Handbook - 2011

Insect control recommendations are also available online in the 2011 Pest Management Handbook at:

<http://www.clemson.edu/extension/rowcrops/pest/index.html>

Need More Information?

Log on to the following web pages to view important cotton management recommendations, data, and historical cotton/soybean insect newsletters:

For more cotton and soybean information:

<http://www.clemson.edu/public/rec/edisto/research/>

For past newsletters:

http://www.clemson.edu/extension/rowcrops/cotton/pest_management/newsletters/index.html

Sincerely,

Jeremy K. Greene, Ph.D.

Associate Professor – Entomologist



Visit our website at:

<http://www.clemson.edu>

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